

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) In an initiator device having a wireless transceiver, a method for discovering a name of a responding device comprising ~~the steps of:~~

a) broadcasting a first wireless signal to be received by said responding device;

b) receiving a second wireless signal from said responding device, said second wireless signal sent in response to said first wireless signal and comprising an address for said responding device;

AI e) accessing a memory cache comprising names of devices; and

d) ~~retrieving determining whether~~ a name for said responding device ~~from is present in~~ said memory cache[,] ~~said name corresponding to said address;~~

transmitting a wireless request for a name to said responding device provided a name for said responding device is absent from said memory cache;

receiving a name for said responding device in response to said wireless request; and

storing said name received from said responding device in said memory cache, wherein said name is indexed in said memory cache using said address for said responding device.

2. (Canceled).

3. (Currently Amended) The method as recited in Claim 2 1
comprising ~~the step of~~:

removing from said memory cache an entry for one of said ~~plurality of~~
~~responding~~ devices when a total number of cache entries exceeds a predetermined
limit, said entry comprising a name and an address.

4. (Original) The method as recited in Claim 3 wherein an entry is
removed from said memory cache according to an aging scheme, wherein said
aging scheme ranks entries according to frequency of use.

5. (Currently Amended) The method as recited in Claim 1 comprising
~~the step of~~:

updating said memory cache when said name for said responding device is
changed.

6. (Currently Amended) The method as recited in Claim 1 comprising
~~the step of~~:

displaying said name on a display of said initiator device.

7. (Original) The method as recited in Claim 1 wherein said initiator
device and said responding device are Bluetooth-enabled devices.

8. (Original) The method as recited in Claim 1 wherein said initiator
device is a portable computer system.

9. (Currently Amended) In an initiator device having a wireless transceiver, a method for identifying a responding device by name comprising the steps of:

- ~~a) receiving a name and an address for said responding device;~~
~~b) storing said name and said address in a memory cache;~~
c) broadcasting a first wireless signal to be received by said responding device;
d) receiving a second wireless signal from said responding device, said second wireless signal sent in response to said first wireless signal and comprising an address for said responding device; ~~and~~
A | ~~e) retrieving a name for said responding device from said memory cache, said name corresponding to said address~~
sending a wireless paging signal to said responding device;
receiving from said responding device a response to said wireless paging signal;
transmitting a wireless request for a name to said responding device;
receiving a name for said responding device in response to said wireless request; and
storing said name and said address received from said responding device in a memory cache, said name indexed by said address.

10. (Canceled).

11. (Currently Amended) The method as recited in Claim 9 comprising the step of:

displaying said name on a display of said initiator device.

12. (Currently Amended) The method as recited in Claim 9 comprising ~~the step of:~~

updating said memory cache when said name for said responding device is changed.

13. (Currently Amended) The method as recited in Claim 9 further comprising ~~wherein said step b) comprises the step of:~~

b1) storing in said memory cache an entry for each of a plurality of other responding devices, said entry comprising a name and an address.

14. (Currently Amended) The method as recited in Claim 13 further comprising ~~wherein said step b) further comprises the step of:~~

b2) removing from said memory cache an entry for one of said plurality of responding devices when a total number of cache entries exceeds a predetermined limit.

15. (Original) The method as recited in Claim 13 wherein an entry is removed from said memory cache according to an aging scheme, wherein said aging scheme ranks entries according to frequency of use.

16. (Original) The method as recited in Claim 9 wherein said initiator device and said responding device are Bluetooth-enabled devices.

17. (Original) The method as recited in Claim 9 wherein said initiator device is a portable computer system.

18. (Currently Amended) A wireless communication device comprising:
a bus;
a wireless transceiver unit coupled to said bus and for communicating with
responding devices;
a memory cache coupled to said bus; and
a processor coupled to said bus, said processor for performing a method for
identifying a responding device by name, said method comprising ~~the steps of~~:
a) broadcasting a first wireless signal to be received by said
responding device;
b) receiving an address for said responding device in response to said
first wireless signal;
c) transmitting a wireless request for a name to said responding
device;
d) receiving said name for said responding device in response to said
wireless request;
e) storing said address and said name received from said responding
device in said memory cache; and
f) retrieving said name from said memory cache to subsequently
identify said responding device in lieu of performing another wireless
request of said step c).

19. (Currently Amended) The wireless communication device of Claim
18 wherein said step f) of said method comprises ~~the steps of~~:
f1) broadcasting a second wireless signal to be received by said responding
device;

f2) receiving said address from said responding device in response to said second wireless signal; and

f3) retrieving from said memory cache said name corresponding to said address.

20. (Original) The wireless communication device of Claim 18 comprising:

a display device for displaying said name obtained from said memory cache.

21. (Currently Amended) The wireless communication device of Claim 18 wherein said method comprises ~~the step of~~:

g) updating said memory cache when said name for said responding device is changed.

22. (Currently Amended) The wireless communication device of Claim 18 wherein said step e) of said method comprises ~~the step of~~:

e1) storing in said memory cache an entry for each of a plurality of responding devices, said entry comprising a name and an address.

23. (Currently Amended) The wireless communication device of Claim 22 wherein said step e) of said method further comprises ~~the step of~~:

e2) removing from said memory cache an entry for one of said plurality of responding devices when a total number of cache entries exceeds a predetermined limit.

24. (Original) The wireless communication device of Claim 22 wherein an entry is removed from said memory cache according to an aging scheme, wherein said aging scheme ranks entries according to frequency of use.

A7 25. (Original) The wireless communication device of Claim 18 wherein said wireless communication device and said responding device are Bluetooth-enabled devices.

26. (Original) The wireless communication device of Claim 18 wherein said wireless communication device is a portable computer system.
